

**WYOMING OIL AND GAS CONSERVATION COMMISSION  
PAVILLION FIELD  
WELLBORE INTEGRITY REPORT STATUS**

**November 15, 2013**

The Pavillion Field wellbore integrity report by the Wyoming Oil and Gas Conservation Commission is an analysis relating to the integrity of all oil and gas wells within one-quarter mile (1,320') of 14 domestic water wells in the vicinity of the Pavillion Field identified by the Wyoming Department of Environmental Quality as having quality and palatability issues. The report will address the adequacy of drilling, completion, and producing techniques, and the likelihood of gas migration via the gas well wellbores from known gas bearing sands to shallow intervals accessed for domestic water in the vicinity of the gas wells.

The scope of this work includes review of available drilling and completion data for the 14 domestic water wells and 50 gas wells determined to be within the areas of review, determination of mineral ownership (Tribal or patented), analysis of surface and production casing setting depths, adequacy of the cement jobs performed to secure casings, subsequent remedial work done to repair or enhance cement placement behind casings, results of testing the annular space between surface casings and production casings, proximity of the gas wells to domestic water wells within the areas investigated, and determination of cumulative historical production from each gas well.

Data resources include information on file with the Commission, water well information from the Wyoming State Engineer's Office, water well information from the Wyoming Department of Environmental Quality, technical information from the U.S. Environmental Protection Agency, and additional information provided by Encana Oil and Gas USA, Inc.

To date, drilling and completion records on file with the Commission for 50 gas wells located in Sections 2-4, and 9-13 of Township 3 North, Range 2 East, have been researched. Well records include completion reports and sundry notices, daily drilling and completion summaries, cementing records, cement bond logs, wellbore diagrams, and other pertinent information. Available records from the State Engineer's Office pertaining to the identified domestic water wells have been reviewed. Information from the U.S. Environmental Protection Agency has been received and is being reviewed. Wind River Indian Reservation Tribal well information will be reviewed, and meetings with Encana and the EPA are being scheduled for early December to discuss findings to date.

The draft report is in the process of being prepared by the Commission, with a target completion date prior to year-end 2013. An independent expert, yet to be identified, will review the work product, and offer opinions as to deficiencies or suggested additional areas for the Commission to investigate before issuing a final report.